

Date: Wed, 12 Oct 94 04:30:26 PDT
From: Ham-Digital Mailing List and Newsgroup <ham-digital@ucsd.edu>
Errors-To: Ham-Digital-Errors@UCSD.Edu
Reply-To: Ham-Digital@UCSD.Edu
Precedence: List
Subject: Ham-Digital Digest V94 #338
To: Ham-Digital

Ham-Digital Digest Wed, 12 Oct 94 Volume 94 : Issue 338

Today's Topics:

Lanlink Availability
More on 49MHz for data transmission
Source Code for Z80 TNC w/ maildrop?
THENET X1J2
The Second UKIP Network Group Meeting - FINAL INFO
Unix vs DOS vs OS/2 vs NT
Yaesu FT2400 Mods

Send Replies or notes for publication to: <Ham-Digital@UCSD.Edu>
Send subscription requests to: <Ham-Digital-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Digital Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-digital".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 12 Oct 1994 02:36:33 GMT
From: forbes@intac.com (Thom Forbes)
Subject: Lanlink Availability

In article <seeler.138.781871597@UPEI.CA>, seeler@UPEI.CA (David Seeler) says:
>
>I was wondering what version of lanlink is currently available and
>where I might find it.

ftp.funet.fi /pub/ham/packet/terminal 1l232exe.zip

This version is from June '94

Hope this helps...

- 73 -

Thom / N2CBV

Date: 11 Oct 94 15:34:30 GMT

From: mack@mails.imed.COM

Subject: More on 49MHz for data transmission

I just read my last 2 posts in the digest. Could anyone understand what I said? It wasn't clear (to me when I read it again) that my primary suggestion is to use a 100mW transmitter with a center loaded dipole for transmit (total antenna length 1 meter). At the receive end use a 4 or 5 element 6 meter beam (modified for 49MHz) to get both gain and directivity. This kind of arrangement ought to be good for 4 to 5 miles.

Ray Mack

WD5IFS

mack@mails.imed.com

Date: Tue, 11 Oct 1994 07:38:25 GMT

From: n6rky@netcom.com (William A. Wetzel)

Subject: Source Code for Z80 TNC w/ maildrop?

Anyone know where to find source code for a TNC2 with maildrop capability?

73 de William, N6RKY.

N6RKY @ NETCOM.COM

N6RKY @ WF60.#SOCA.CA.USA.NA

Date: Tue, 11 Oct 1994 22:45:26 GMT

From: daniel.meredith@aznetig.stat.com (Daniel Meredith)

Subject: THENET X1J2

-> Newsgroups: rec.radio.amateur.digital.misc

-> Path: stat!news.primenet.com!news.asu.edu!asuvax!cs.utexas.edu!howlan

-> From: jkbe@lena (John Bednar)

-> Subject: Re: THENET X1J2

-> Message-ID: <CxIJGo.5o9@nntpa.cb.att.com>

-> Sender: news@nntpa.cb.att.com (Netnews Administration)

-> Nntp-Posting-Host: lena.cnet.att.com

-> Organization: AT&T

-> X-Newsreader: TIN [version 1.2 PL2]
-> References: <941006215046327@aznetig.stat.com> <DDRZTc3w165w@lmr.mv.c
-> Date: Tue, 11 Oct 1994 14:41:12 GMT
-> Lines: 26
->
-> Larry Rappaport (rapp@lmr.mv.com) wrote:
-> : jim.ridley@aznetig.stat.com (Jim Ridley) writes:
->
-> : Having the same problem. The only other solution I've heard of is
-> : 10Mhz TNC's. Over the last weekend, I spoke to Bert, VE2BLY, who s
-> : that the R2 firmware is just buggy, and that the only solution is t
-> : back to R1 until they fix it. Apparently, all you lose is the 3 ex
-> : channels for D/A conversion, but if you're not using them, it's no
->
->
-> I don't know if switching back to X1J R1 will solve your buffer probl
-> because I saw the "node busy" / low buffer problem with X1JR1.

This problem has been existant since X1G, so I highly doubt X1J R1 will have any effect at all...

->
-> This problem seems to surface at sites that hear many partial packets
-> that consistant with everyone's thoughts? Maybe we can list the assoc
-> symptoms and help the developers locate the weakness. I'm sure they
-> would appreciate our help. I agree that DCD mods, closed squelch, and
-> faster clock rates may be band-aids but discussing these fixes may
-> help someone locate the problem.

This is exactly as we have determined...We have severe HTS on a couple of 7,000 Ft Mtn top sites that serve 2 vallees, the vallees do not hear each other, so the node is consistently hearing partial and stepped on packets because of this...

->
-> Prior to installing X1J (I was using TN2.11), I had a 4.9 Mhz TNC wit
-> no DCD mod and I ran open squelch. That all changed with X1J.
->
->
-> John, WB3ESS
->

Dan

----- \-----/ -----
Arizona Network Intertie Group
"Serving Az's Digital Needs Since 1993"

Daniel J. Meredith - N7MRP
P.O. Box 44563
Phoenix, Arizona
85064-4563

Voice: +1-602-809-7384
Fax : +1-602-956-2566
BBS : +1-602-912-0225

List Owner: F6fbb-List@Stat.Com
Arizona Amateur Radio Packet Coordinator

Date: 11 Oct 1994 23:03:24 +0100
From: eeyimkn@unicorn.ccc.nottingham.ac.uk (M. Knell)
Subject: The Second UKIP Network Group Meeting - FINAL INFO

Hi folks,

THE SECOND NATIONAL UKIP NETWORK GROUP MEETING - FINAL DETAILS

Sorry for the delay with getting this sorted out, but I have been rather busy recently with a lot of stuff, such as signing on, applying for jobs, sitting around mooching, and all the other activities generally associated with those who've just stopped being students.

Anyway, here are the final details:

The meeting will be held THIS SATURDAY (15th October), as agreed in June, and will once again be at the Department Of Computer Science of the University of Nottingham.

The meeting is due to start at 10:30AM, with arrival and refreshments (yes, I am actually sorting them out this time!) from 10:00. The estimated finish time will be around 1600, with the opportunity once again to adjourn to one of the SU bars for more informal discussions..

There will be a nominal meeting fee of ukp1.50 per person, to cover meeting expenses, plastic cups, coffee, etc. This will include tea & coffee, though, so it's not all that bad. Sorry I've had to take this step this time, but the price of flourescent cardboard and magic markers is rising all the time..

AGENDA ITEMS! The agenda still looks rather bare. If you've got anything you want to discuss (which judging by some of the mailing list traffic most people have ;-)) then please get them to me. I don't want to have to make up the agenda again *grin*

ASSISTANCE - Any assistance anyone can offer with talk-in, note-taking, and such would be appreciated. Thanks very much to those who've already

offered.

DIRECTIONS

By train: Take the train to Nottingham, and take the No. 12 bus from opposite the station (direction Beeston?) to the university. Ask the driver to drop you at the South Entrance. The Tower Block is the big tall tower block (ahem) that's clearly visible.

By road:

FROM THE M1: Leave the M1 at Junction 25 (A52) and follow signs to Nottingham. Continue along the A52 until you reach the large roundabout (with signs right to the East Midlands Conference Centre). Turn right here, then left at the next roundabout into the West Entrance of the University. Take the first right then immediately left onto Cut-Through Lane. Continue on this road until you see signs for either the Department of Computer Science or Electronic Engineering, then follow around the roads and park around Science City. The meeting is in the large tower block - the room will be signed.

FROM THE A1: This is actually simpler than the M1 (IMHO). Leave the A1 at Grantham and take the A52 in the direction of Nottingham. The A52 eventually (I think) becomes the Nottingham ring road - just stay on it until you reach the exit (after passing the multiplex cinema & retail park on your left) for Dunkirk, which should be also signed for the University. Come off the ringroad here, go straight across the roundabout at the bottom and drive up the side of the University. Take the first left turn into the University, before the Tower Block. (this is "Science Road"). This brings you straight into the right bit of campus. Find somewhere to park around Science City, there's plenty of space. Then make your way to the tower block.

If in doubt (and Nottingham can be a confusing place) call talk-in, either on 144.550 or 433.550 (S22/SU22).

Any queries should be directed to me, either electronically to eeyimkn@unicorn.nott.ac.uk, or give me a ring on (01926)424705. If you're not yet a member of the UKIP mailing list on the Internet, send mail to ukip-request@cs.nott.ac.uk to join.

That looks like being about it - look forward to seeing you there!

Cheers
Mike

--

+--- Mike Knell -- Squashed Lagomorphia on the Information Superhighway(tm) ---+

| Vending machines should NEVER NEVER| SMTP thing: m.knell@unicorn.nott.ac.uk |
| EVER eat money. - RFC1288 (Finger) | AX25 thing: G7GPA@GB7C0V.#29.GBR.EU |
+----- These are my opinions, not anybody else's, so bog off. -----+

Date: Tue, 11 Oct 94 23:54:50 GMT
From: n6mmm@n6mmm-mac.ccmail.com (Gary Lau)
Subject: Unix vs DOS vs OS/2 vs NT

In article <tcjCwzp6B.Irv@netcom.com>
tcj@netcom.com (Todd Jonz) writes:

> Microcomputing history buffs who want a real good laugh should try to dig up
> some of the Microsoft/IBM marketing propaganda that accompanied the first
> release of OS/2 and compare it to the current NT hype. The similarities are
> positively frightening!

And convincing a new generation of users that (brand X) is the
end-all-be-all solution (and literally betting their corporate future
on it, with no parachute when they jump).

Gary Lau
Internet: glau@ccmail.com
Amateur : N6MMM @ N0ARY.#NOCAL.CA.USA.NOAM

Date: 11 Oct 1994 19:04:01 -0400
From: btenison@aol.com (Btenison)
Subject: Yaesu FT2400 Mods

Does anyone know of any mods to the Yaesu FT2400 to allow it to do 96K
packet? If so, could you post it or send me some e-mail?

Tnx,
Bruce
btenison@aol.com

Date: Mon, 10 Oct 1994 20:37:57 GMT
From: dtiller@cscsun.rmc.edu (David Tiller)

References<368pp8\$mn0@cismsun.univ-lyon1.fr> <Cx3zL2.692@cscsun.rmc.edu>,
<36qcks\$sdi@nntpd.lkg.dec.com>
Subject: Re: EME digital link

Todd Little (little@iamu.chi.dec.com) wrote:

: In article <Cx3zL2.692@cscsun.rmc.edu>, dtiller@cscsun.rmc.edu (David Tiller)
writes:

: |>
: |>Don't forget Faraday rotation, libration fading, etc...Why not wait for the
: |>phase 3d sats - geostationary beats the tar out of the moon, IMHO, and it's
: |>a lot closer (shorter delay time).
: |>--

: To the best of my knowledge, phase 3d is *not* geostationary. It's hard to
: get world wide funding for a bird in geosynchronous orbit since it would
: only cover a portion of one hemisphere.

Check out the article in either QST or QEX - I'm not sure if it's phase 3d,
but AMSAT is planning a geostationary bird over Brazil that'll cover the US,
central america, and a big chunk of europe, as I recall.

--

David Tiller	Network Administrator	Voice: (804) 752-3710	
dtiller@rmc.edu n2kau/4	Randolph-Macon College	Fax: (804) 752-7231	
Don't let your SKS get	P.O. Box 5005	ICBM: 37d 42' 43.75" N	
"Tainted with Defilement!"	Ashland, Va 23005		77d 31' 32.19" W

Date: Mon, 10 Oct 1994 23:57:13 GMT
From: gary@ke4zv.atl.ga.us (Gary Coffman)

References<CxFMMA.K8n@world.std.com> <1994Oct10.122726.26701@ke4zv.atl.ga.us>,
<CxHCF7.HB3@world.std.com>
Reply-To: gary@ke4zv.atl.ga.us (Gary Coffman)
Subject: Re: 56k+ Packet System

In article <CxHCF7.HB3@world.std.com> dts@world.std.com (Daniel T Senie) writes:
>Thanks for all the clarifications. It all makes more sense now.

>

>As for the acceptance of the GRAPES system, I've a few suggestions and
>questions. The requirement for an outboard transverter from a different
>source is definitely a problem. If your group had a transverter setup
>as part of the kit (or available as part of it) you'd certainly get more
>people to go for it. It's a lot simpler to buy a kit of boards and perhaps
>components from a single source, rather than multiple ones.

Having the modem work with transverters was a design decision to allow
as much flexibility in band choice as possible. I'm not on the GRAPES
board anymore, but when I was, we discussed the issue of offering a
transverter with the kits. The consensus was that GRAPES wasn't a

commercial concern, and couldn't afford to get into the business of stocking third party equipment. That would be sort of like asking TAPR to stock Kenwood radios to go with their TNC kits.

>What does the modem communicate with? Does it take in an HDLC data stream?
>I do software for routers that talk IP and the like, and have thought about
>writing a driver to do the IP over AX.25 stuff used on packet radio IP. (If
>someone'd point me toward documentation of the details of the packet formats,
>and if I can get the router to slow down enough, I might be able to write
>such a beast). I can connect off of my boxes at V.35, RS-232 or X.21 line
>levels. I suspect I'd have to adapt those for your modem, but perhaps not.
>Could be interesting to have a router on my house ethernet talking IP to
>the radio world...

The modem behaves as an ordinary synchronous modem. It accepts TTL data as input and supplies Tx clock, Rx clock, and received data. It was designed to be compatible with the TNC2 modem disconnect header, but will work with other digital hardware such as the Ottawa PI card or the Gracillis card (both designed with driving the GRAPES modem in mind), or any other system that expects to interface with a synchronous modem and is capable of doing the required data rates. The protocols used are up to the digital hardware and it's drivers.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		emory!kd4nc!ke4zv!gary
534 Shannon Way		Guaranteed!		gary@ke4zv.atl.ga.us
Lawrenceville, GA 30244				

End of Ham-Digital Digest V94 #338
